

**DECLARATION AND POWER OF ATTORNEY**  
(Related Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMPOSITIONS AND METHODS OF USE OF MAMMALIAN RETROTRANSPOSONS**, the specification of which (check one)

- ☐ is attached hereto.  
☒ was filed on April 28, 1997  
as Application No. 08/847,844

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**FOREIGN PRIORITY APPLICATION(S)**

**Priority Claimed**

☐ Yes ☐ No

(Number)

(Country)

(Day/month/year filed)

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any United States provisional patent application(s) having a filing date before that of the application on which priority is claimed.

**PROVISIONAL PRIORITY PATENT APPLICATION**

**Priority Claimed**

<u>60/006,831</u>	<u>November 16, 1995</u>	<b>[X] Yes [ ] No</b>
(Application No.)	(Filing Date)	

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or in the prior U.S. provisional application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>08/749,805</u>	<u>November 15, 1996</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)--(patented, pending, abandoned)

And I hereby appoint Ronald L. Panitch, Registration No. 22,825; William W. Schwarze, Registration No. 25,918; Alan S. Nadel, Registration No. 27,363; Leslie L. Kasten, Jr., Registration No. 28,959; Joel S. Goldhammer, Registration No. 22,130; John Jamieson, Jr., Registration No. 29,546; Martin G. Belisario, Registration No. 32,886; Lynda L. Calderone, Registration No. 35,837; Charles E. Bergère, Registration No. 36,337; Steven H. Meyer, Registration No. 37,189; Randolph J. Huis, Registration No. 34,626; Clark A. Jablon, Registration No. 35,039; Christopher Egolf, Registration No. 27,633; Kathryn Leary, Registration No. 36,317; Gary D. Colby, Registration No. P-40,961; and Catherine M. Joyce, Registration No. P-40,668, as my attorneys or agents with full power of substitution and

revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to **PANITCH SCHWARZE JACOBS & NADEL, P.C.**, 1601 Market Street, 36th Floor, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to **Kathryn Leary, Ph.D.** at (215) 567-2020.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole  
or first inventor Haig H. Kazazian Jr.

Inventor's Signature *Haig H. Kazazian Jr.*

5/20/97

Date \_\_\_\_\_

Residence Baltimore, Maryland

Citizenship U.S.A.

Post Office Address 1015 Winding Way

Baltimore, MD 21210

Full name of second joint  
inventor, if any Jef D. Boeke

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Baltimore, Maryland

Citizenship U.S.A.

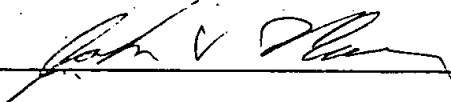
Post Office Address 835 West University Parkway

Baltimore, MD 21210

Full name of third joint

inventor, if any John V. Moran

Inventor's Signature



Date

5/20/97

Residence

Exton, Pennsylvania

Citizenship

U.S.A.

Post Office Address

101 Atherton Drive

Exton, PA 19341

Full name of fourth joint

inventor, if any Beth A. Dombroski

Inventor's Signature



Date

5/20/97

Residence

Springfield, Pennsylvania

Citizenship

U.S.A.

Post Office Address

120 South Forest Road

Springfield, PA 19064

00663812-090400

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**Priority Claimed**

<u>60/006,831</u>	<u>November 16, 1995</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Filing Date)	

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<u>08/749,805</u>	<u>November 15, 1996</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)--(patented, pending, abandoned)

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Full name of sole  
or first inventor Haig H. Kazazian Jr.

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Baltimore, Maryland

Citizenship U.S.A.

Post Office Address 1015 Winding Way

Baltimore, MD 21210

Full name of second joint  
inventor, if any Jef D. Boeke

Inventor's Signature 

Date 5/20/97

Residence Baltimore, Maryland

Citizenship U.S.A.

Post Office Address 835 West University Parkway

Baltimore, MD 21210

Full name of third joint  
inventor, if any John V. Moran

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Exton, Pennsylvania

Citizenship U.S.A.

Post Office Address 101 Atherton Drive

Exton, PA 19341

Full name of fourth joint  
inventor, if any Beth A. Dombroski

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Springfield, Pennsylvania

Citizenship U.S.A.

Post Office Address 120 South Forest Road

Springfield, PA 19064



Applicant or Patentee: **Haig H. Kazazian, Jr., Jef D. Boeke, John V. Moran and  
Beth A. Dombroski**  
Application or Patent No.: **08/847,844**  
Filed or Issued: **April 28, 1997**  
For: **COMPOSITIONS AND METHODS OF USE OF MAMMALIAN  
RETROTRANSPOSONS**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

NAME OF ORGANIZATION: **The Johns Hopkins University**  
ADDRESS OF ORGANIZATION: **2024 E. Monument Street, Suite 2-100  
Baltimore, MD 21205**

TYPE OF ORGANIZATION:

- ☒ University or other institution of higher education.  
☐ Tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)).  
☐ Nonprofit scientific or educational under statute of state of the United States of  
America.  
Name of State \_\_\_\_\_  
Citation of Statute \_\_\_\_\_  
☐ Would qualify as tax exempt under Internal Revenue Code (26 USC 501(a) and  
501(c)(3) if located in the United States of America.  
☐ Would qualify as nonprofit scientific or educational under statute of state of  
United States of America if located in the United States of America.  
Name of State \_\_\_\_\_  
Citation of Statute \_\_\_\_\_

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, with regard to the invention entitled **Compositions and Methods of Use of Mammalian Retrotransposons** by inventors Haig H. Kazazian, Jr., Jef D. Boeke, John V. Moran and Beth A. Dombroski described in

- ☐ the specification filed herewith.  
☒ Application No. 08/847,844  
Filed April 28, 1997  
☐ Patent No. \_\_\_\_\_  
Issued \_\_\_\_\_

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual concern or organization having rights to the invention is listed below\* and no rights to the invention are held

by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 CFR 1.27).

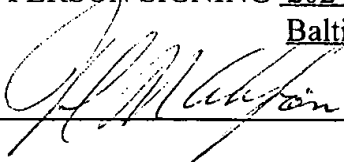
FULL NAME The Trustees of University of Pennsylvania  
ADDRESS 3700 Market Street, Suite 300  
Philadelphia, PA 19104  
☐ Individual ☐ Small Business Concern ☒ Nonprofit Organization

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ Individual ☐ Small Business/Concern ☐ Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in the status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Howard W. Califano  
TITLE IN ORGANIZATION Assistant Dean and Director  
ADDRESS OF PERSON SIGNING 2024 E Monument Street, Suite 2-100  
Baltimore, MD 21205

SIGNATURE  DATE: 10-20-97

Applicant or Patentee: **Haig H. Kazazian, Jr., Jef D. Boeke, John V. Moran and  
Beth A. Dombroski**

Application or Patent No.: **08/847,844**

Filed or Issued: **April 28, 1997**

For: **COMPOSITIONS AND METHODS OF USE OF MAMMALIAN  
RETROTRANSPOSONS**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

NAME OF ORGANIZATION: **The Trustees of the University of Pennsylvania**

ADDRESS OF ORGANIZATION: **3700 Market Street, Suite 300  
Philadelphia, PA 19104**

TYPE OF ORGANIZATION:

- ☒ University or other institution of higher education.  
☐ Tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)).  
☐ Nonprofit scientific or educational under statute of state of the United States of America.  
Name of State \_\_\_\_\_  
Citation of Statute \_\_\_\_\_  
☐ Would qualify as tax exempt under Internal Revenue Code (26 USC 501(a) and 501(c)(3) if located in the United States of America.  
☐ Would qualify as nonprofit scientific or educational under statute of state of United States of America if located in the United States of America.  
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FULL NAME The John Hopkins University  
ADDRESS 2024 E. Monument Street, Suite 2-100  
Baltimore, MD 21205  
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NAME OF PERSON SIGNING Evelyn H. McConathy, Esq.  
TITLE IN ORGANIZATION Director of Intellectual Property  
ADDRESS OF PERSON SIGNING Center for Technology Transfer, Suite 300  
3700 Market Street, Philadelphia, PA 19104

SIGNATURE Evelyn H. McConathy DATE: 5/15/97